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ABSTRACT

Each year the National Center for Education Statistics (NCES) publishes a pocket summary of their "Projections of Education Statistics." This summary reviews data on U.S. education from 1980-81 and provides predictions of educational data until 2002-03. Included are tables summarizing population trends and tables of elementary school and secondary school enrollment, graduates, classroom teachers, pupil/teacher ratios, and expenditures. For higher education, enrollment, earned degrees, and expenditures are summarized. Forecasts are made using data from the NCES and the Bureau of the Census. General projection methodology is briefly considered. Exponential smoothing and linear regression are the two major projection techniques used. (SLD)

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Pocket Projections

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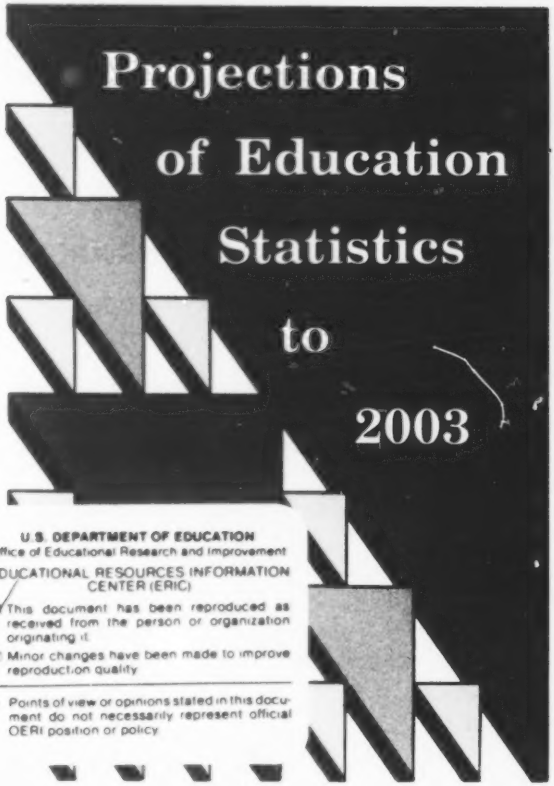

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Each year, the National Center for Education Statistics (NCES) of the U.S. Department of Education publishes this pocket summary of the ***Projections of Education Statistics***.

The following tables give a sampling of what will happen over the next decade. But there is far more you can learn.

The complete book, ***Projections of Education Statistics to 2003***, provides the reader with NCES information on projected enrollment at all education levels, numbers of high school graduates, earned degrees conferred, classroom teachers, and expenditures of public elementary and secondary schools as well as of institutions of higher education. In addition, there are some supplementary tables from other sources.

The book takes a look at topics such as

- What is going to happen to education in the next 10 years?
- How many students will be in school at every level?
- Is the average age of college students going to continue to rise?
- Should communities build schools or wait?

To receive a copy of the 170-page ***Projections of Education Statistics to 2003***, see the ordering information at the end of this booklet.

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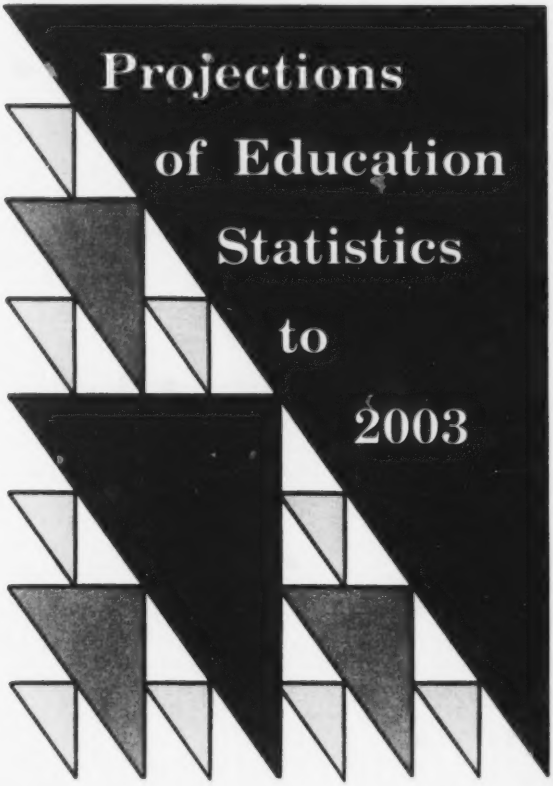

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"The purpose of the Center shall be to collect, analyze, and disseminate statistics and other data related to education in the United States and in other nations."—Section 406(b) of the General Education Provisions Act, as amended (20 U.S.C. 1221e–1).

January 1993

Pocket Projections 1980–81 to 2002–2003

Characteristic	1980–81	1991–92 (estimate)	2002–2003 (projected)	Percent change 1980–81 to 1991–92	Percent change 1991–92 to 2002–2003
			Population[1]		
			(Numbers in thousands)		
5–13 years old	31,095	31,504	36,272	1	15
14–17 years old	16,142	13,424	16,082	–17	20
18 years old	4,243	3,391	3,871	–20	14
18–24 years old	30,350	26,599	27,281	–12	3
25–29 years old	19,804	20,844	17,309	5	–17
30–34 years old	17,822	22,242	19,608	25	–12
35–44 years old	25,868	39,352	43,946	52	12
			Elementary/secondary education		
			(Numbers in thousands)		
Enrollment					
Total	46,209	47,032	54,057	2	15
Public	40,877	41,839	48,117	2	15
Private	5,331	5,193	5,940	–3	14
Kindergarten—grade 8	31,639	34,422	38,572	9	12
Public	27,647	30,353	34,012	10	12
Private	3,992	4,069	4,560	2	12
Grades 9–12	14,570	12,610	15,486	–13	23
Public	13,231	11,486	14,105	–13	23
Private	1,339	1,124	1,381	–16	23

See footnotes at end of booklet

Characteristic	1980–81	1991–92 (estimate)	2002–2003 (projected)	Percent change 1980–81 to 1991–92	Percent change 1991–92 to 2002–2003
		Elementary/secondary education			
		(Numbers in thousands)			
High school graduates					
Total	3,020	2,457	3,011	–19	23
Public	2,725	2,215	2,715	–19	23
Private	295	242	296	–18	22
Classroom teachers					
Total	2,486	2,786	3,314	12	19
Public	2,185	2,431	2,896	11	19
Private	301	355	418	18	18
Elementary	1,402	1,705	1,957	22	15
Public	1,190	1,451	1,666	22	15
Private	212	254	292	20	15
Secondary	1,084	1,081	1,357	(*)	26
Public	995	980	1,230	–2	26
Private	89	101	127	13	26
Pupil/teacher ratios[2]			(in units)		
Public					
Elementary	20.3	18.9	18.3	—	—
Secondary	16.8	14.7	14.4	—	—
Private					
Elementary	18.8	16.0	15.6	—	—
Secondary	15.0	11.1	10.9	—	—
Expenditures		(Billions of constant 1990–91 dollars)			
Current expenditures in public schools[3]	$145.9	$206.6	$294.0	42	42

Characteristic	1980–81	1991–92 (estimate)	2002–2003 (projected)	Percent change 1980–81 to 1991–92	Percent change 1991–92 to 2002–2003
		Elementary/secondary education			
Expenditures (continued)					
		(Constant 1990–91 dollars)			
Current expenditures per pupil in average daily attendance in public schools	$3,870	$5,327	$6,593	38	24
Average annual salaries for teachers in public schools	$27,299	$33,337	$40,092	22	20
		Higher education			
		(Numbers in thousands)			
Enrollment					
Total	12,097	14,169	15,993	17	13
Control of institution					
Public	9,457	11,040	12,457	17	13
Private	2,640	3,129	3,536	19	13
Type of institution					
4–year	7,571	8,900	10,058	18	13
2–year	4,526	5,269	5,935	16	13
Sex of student					
Men	5,874	6,412	7,300	9	14
Women	6,223	7,757	8,693	25	12

Characteristic	1980–81	1991–92 (estimate)	2002–2003 (projected)	Percent change 1980–81 to 1991–92	Percent change 1991–92 to 2002–2003
		Higher education (Numbers in thousands)			
Enrollment (continued)					
Age[4]					
19 years and under	3,148	2,969	3,599	–6	21
20–21 years old	2,423	2,743	3,155	13	15
22–24 years old	1,989	2,226	2,566	12	15
25–29 years old	1,871	2,043	1,891	9	–7
30–34 years old	1,243	1,425	1,311	15	–8
35 years and over	1,422	2,764	3,472	94	26
Attendance status					
Full-time	7,098	8,032	9,218	13	15
Part-time	4,999	6,137	6,775	23	10
Level					
Undergraduate	10,475	12,163	13,787	16	13
Graduate	1,343	1,703	1,871	27	10
First-professional	278	303	335	9	11
Full-time-equivalent	8,819	10,249	11,664	16	14
Earned degrees					
Associate	416	480	557	15	16
Men	189	202	228	7	13
Women	228	278	329	22	18
Bachelor's	935	1,105	1,303	18	18
Men	470	509	607	8	19
Women	465	596	696	28	17

Characteristic	1980–81	1991–92 (estimate)	2002–2003 (projected)	Percent change 1980–81 to 1991–92	Percent change 1991–92 to 2002–2003
		Higher education (Numbers in thousands)			
Earned degrees (continued)					
Master's	296	344	365	16	6
Men	147	163	179	11	10
Women	149	181	186	22	3
Doctor's	33	40	42	21	4
Men	23	25	22	10	–13
Women	10	15	21	46	40
First-professional	72	75	88	4	17
Men	53	43	52	–19	22
Women	19	32	36	67	12
Expenditures		(Billions of constant 1990–91 dollars)			
Current-fund expenditures	$99.1	$150.6	$208.1	52	38
Public	65.4	95.7	133.3	46	39
Private	33.7	54.9	74.8	63	36

Technical Notes

General Projection Methodology

Beginning with institutional data from the National Center for Education Statistics (NCES) and demographic data and projections from the Bureau of the Census, total enrollment is projected using expected enrollment rates. Exponential smoothing and multiple linear regression are the two major projection techniques used to forecast these rates. Demographic assumptions used by NCES are consistent with Bureau of the Census middle series of population projections. Elementary and secondary expenditure projections are produced using multiple linear regression.

For methodological details on the assumptions and methods used to develop these projections, and details on data sources, see *Projections of Education Statistics to 2003*.

(*)Between –0.5 and 0.5.

[1]Population projections are from the middle series of population projections of the Bureau of the Census. Population data for 1991–92 are projected.

[2]Based on enrollment by organizational level.

[3]Excludes capital outlay and interest.

[4]Data for 1980–81 are estimated.

NOTE: Because of rounding, details may not add to totals. Percentages are based on unrounded numbers.

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